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Analysis of showers produced by energetic cosmic ray particles, according to the excited nucleon model, by L.A. San'ko, Zh.S. Takibaev, 9pp.

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Jan 60

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Amer Inst of Phys
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Mar 58

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Particles in Showers Produced by High-Energy Nucleons
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7 pp.

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No 3(9), 1958, pp 574-583.

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Charged Particle of High Energy, --by E. G. Boos,
A. Kh. Vinitzkiy, Zh. S. Tashbayev, I. Ya.
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Meson Formation in Pb, Cu and C Nuclei by
Cosmic Rays in the Stratosphere, by D. Kaipov,
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No 3, 1956, pp 471-476.

Amer Inst of Physics
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On Pion Production by High-Energy Cosmic Rays,
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Some Results of an Investigation of Nuclear
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Generation of Slow π -Mesons by Cosmic Ray
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Vol V, No 4

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SLA-TT-66-11321

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Assoc Tech Sv 3965J
ATC JJ-1016

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Effects of Various Weights of Zinc Acetate
Added to the Active Carbon on the Vinyl Acetate
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JAPANESE, per, Kogyo Kagaku Zasshi, 1954, vol. 57,
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Toshi Takigawa

Mat/Metal
Aug 66

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Introducing Special Products made by
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Sheets, by S. Takiguchi.
JAPANESE, per, Nippon Kogan Tech. Rept.,
No 30, 1964, pp 187-198.
RISI 1995

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Sci-Materials
Oct 66

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Takiguchi, Keiji and Nakamura, Yushiro.
THERMOPLASTIC HALOGENATED VINYL POLYMER
COMPOSITION CONTAINING COPOLYMER OF
STYRENE WITH ALKYL ACRYLATE. July 63, 8p.
Order from SA \$19.00 SA Code-P-207

Trans. of published Japanese patent 13864/1962,
cl. 25-H-351 (25-A-51) appl. no. 27575/1960 filed
13 June 60, pub. 13 Sep 62, by Mitsubishi Monsanto
Chemical Co., Ltd.

DESCRIPTORS: Thermoplastics, *Halocarbon plastics,
*Vinyl plastics, *Polyvinyl chloride, *Acrylic acid
esters, Ethyl radicals, *Polyvinyl alcohol, *Styrenes,
Vinyl radicals, *Acetates, Copolymerization.

(Materials--Plastics, TT, v. 10, no. 9)

- I. Takiguchi, K.
- II. Nakamura, Y.
- III. Patent (Japan) pub.
37-13 864
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- V. Seizaburo Aoki (Japan)

Office of Technical Services

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Introducing Special Products Made by
Mizue Steel Works A. Minac Coated Steel
Sheet, by S. Takiguchi.
JAPANESE, per, Nippon Kogan Techn. Rep.,
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Sept 66

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and Some Inorganic Compounds, by T. Takiguchi,
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Vol LXII, No 12, 1959, pp 1875-1876.

KATS-9542J

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Sci
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AEC-Tr-5635

Sci-Nucl Sci
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Interaction of Steroidal Hormones With Serum Protein.
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Globulin, by H. Takikawa, 10 pp.

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1958, pp 1280-1285.

NIH 5-31-61

Sci - Med
Jul 61

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Interaction of Steroidal Hormones With Serum Protein. Report No 5. Physicochemical Properties of Protein Bound Steroids. (2)., by H. Takikawa, 5 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVIII, No 11, 1958, pp 1291-1295.

NIH 2-31-62

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Sci - Med

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Interaction of Steroidal Hormone With Serum
Protein, by H. Takikawa, 15 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVIII,
No 11, 1958, pp 1269-1274.

NIH 10-12-60

Sci - Med
Dec 60

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Interaction of Steroidal Hormones With Serum Protein.
II. Steroidal Hormones and Bovine Serum Albumin,
by H. Takikawa,

JAPANESE, FOR, J Pharm Soc, Japan, Vol LXVIII, No 11,
1958, pp 1274-1279.

ATB JJ-2279

Sci - Med

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INTERACTION OF STEROIDAL HORMONE WITH SERUM
PROTEIN REPORT NO. VI PHYSIOCHEMICAL PROPERTIES OF
PROTEIN-BOUND STEROIDS PART (3), BY HIROO TAKIKAWA,
7 PP.

JAPANESE, PER, YAKUGAKU ZASSHI, VOL LXXVIII, NO 11,
1958, PP 1296-1301.

NIH 5-34-62

SCI - MED
AUG 62

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Interaction of Steroidal Hormones With Serum
Proteins. VIII. Biological Properties of Protein-
Bound Steroids, by Hiroo Takikawa, 7 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXIX, No 6,
1959, pp 799-802.

SLA 60-10976

Sci

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Aug 60

126,823

61-16520

Takimoto, Masayoshi and Yatsuo, Toru.
SEPARATION AND DETERMINATION OF NON-
CYCLIC CYANAMIDE DERIVATIVE MIXTURES AND
EVALUATION OF PRACTICALIZATION THEREOF.
Rept. no. 7 of Studies on Separation and Determination
Methods for Cyanamide Derivatives. [1961] 13p. 8 refs.
Order from SLA \$1.60 61-16520

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 11, p. 1941-1944.

DESCRIPTORS: *Cyanamides, Determination, Separation,
Colorimetric analysis.

Separations by ion-exchange resins and the colorimetric determination method were applied to various sample mixtures of the six types of non-cyclic cyanamide derivatives which are most common and which tend to co-exist most easily (viz., cyanamide, dicyandiamide, guanidine, biguanide, urea, and thiourea) and the (Chemistry--Analytical, TT, v. 6, no. 6) (over)

I. Takimoto, M.
II. Yatsuo, T.
III. Title: Studies...

Office of Technical Services

62-14962

Takimoto, Masayoshi.

AFFINITY OF CYANAMIDE DERIVATIVES FOR ION-
EXCHANGE RESINS. [1962] 15p. 12 refs.
Order from SLA \$1.60

62-14962

Trans. of Nihon Kagaku Zasshi (Japan) 1961, v. 82,
no. 12, p. 1702-1708.

DESCRIPTORS: *Cyanamides, Molecular structure,
Chromatographic analysis, *Ion exchange resins.

The strength of affinity of a total of about thirty
compounds, of cyanamide derivatives and resembling
compounds, toward cation- and anion-exchange resins
was measured by chromatography, and the relationship
between this and the chemical structure and dissociation
constant was studied. It was found as a result that the
tendency of affinity of the respective compounds toward
ion-exchange resins was more or less regular, based on
the affinity of their constituent radicals; that the affinity
(Chemistry--Analytical, TT, v. 9, no. 4) (over)

I. Takimoto, M.

C227659

Office of Technical Services

62-10684

Takimoto, Masayoshi.
SEPARATION OF MELAM AND MELEM, AND
THEIR SIMPLE DETERMINATION BY THE
SPECTROPHOTOMETRIC METHOD. Rept. no. 9 of
Studies on Separation [and] Determination methods
for Cyanamide Derivatives. [1962] 15p. 11 refs.
Order from SLA \$1.60 62-10684

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 8, p. 1452-1455.

DESCRIPTORS: *Cyanamides, *Melamine, *Melem,
Separation, *Ion exchange, Spectrographic analysis.

1. Title: Melam
- I. Takimoto, M.
- II. Title: Studies...

0322106

(Chemistry--Analytical, TT, v. 8, no. 11)

Office of Technical Services

Takimoto, Masayoshi and Funakawa, Takayoshi.
STUDIES ON THE CHANGES UNDER HEATING OF
MELAM, MELEM, AND MELON UNDER ATMOS-
PHERIC PRESSURE AND SUPERATMOSPHERIC PRES-
SURE OF AMMONIA. Rept. 2 of Studies on the Poly-
condensation (Melaminization) [Reaction] of Dicyandia-
mide. [1963] 17p 4refs
Order from SLA \$1.60

TT-63-20695

Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66,
no. 6, p. 804-809. (Abstract available)

DESCRIPTORS: *Melamine, Synthesis (Chemistry),
*Cyanamides, Polymerization, Heat treatment, Ammonia,
Pressure, Calorimetry,

Melam, melem, and melon are formed from melamine
by deammoniation condensation, and conversely,
melamine is formed from these compounds by ammonia
addition reaction; in order to determine the conditions
(Chemistry--Organic, TT, v. 11, no. 3) (over)

TT-63-20695

1. Title: Dicyandiamide
2. Title: Melam
3. Title: Melem
4. Title: Melon
- I. Takimoto, M.
- II. Funakawa, T.
- III. Title: Studies ...

1167910

Office of Technical Services

Takimoto, Masayoshi and Funakawa, Takayoshi.
STUDIES OF THE CHANGES UNDER HEATING OF
DICYANDIAMIDE AND MELAMINE BY THE USE OF
DIFFERENTIAL THERMAL ANALYSIS UNDER
ATMOSPHERIC AND SUPERATMOSPHERIC PRESSURE.
Rept. 1 of Studies on the Polycondensation (Melaminiza-
tion) Reaction of Dicyandiamide. [1963] 23p 8refs
Order from SLA \$2.60

TT-63-20696

Trans. of Kogyo Kagaku Zasshi (Japan) 1963, v. 66,
no. 6, p. 797-803. (Abstract available)

DESCRIPTORS: *Melamine, Synthesis (Chemistry),
*Cyanamides, Polymerization, Heat treatment, Calorim-
etry, Nitrogen, Ammonia, Pressure,

When dicyandiamide is heated at normal pressure or
under applied pressure, deammoniation condensation
products such as melam, melem, and melon form as
by-products besides melamine. In order to study the
(Chemistry--Organic, TT, v. 11, no. 3) (over)

TT-63-20696

1. Title: Dicyandiamide
 2. Title: Melam
 3. Title: Melem
 4. Title: Melon
- I. Takimoto, M.
II. Funakawa, T.
III. Title: Studies ...

11 37911

Office of Technical Services

61-16522

Takimoto, Masayoshi and Tawara, Masao.
A SIMPLE DETERMINATION METHOD FOR AMMO-
NIA IN CYANAMIDE DERIVATIVES BY MICRO-
DIFFUSION ANALYSIS. [1961] 5p. 7 refs.
Order from SLA \$1.10

61-16522

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 11, p. 2059-2060.

DESCRIPTORS: *Ammonia, Determination, *Cyan-
amides, Chemical analysis, Microanalysis, Diffusion

(Chemistry--Analytical, TT, v. 6, no. 6)

I Takimoto, M.
II Tawara, M.

Office of Technical Services

60-18881

Takimoto, Masayoshi and Koeda, Kikuo.
IDENTIFICATION OF CYANAMIDE DERIVATIVES
AND THEIR METHYLOL COMPOUNDS BY PAPER
CHROMATOGRAPHY. Rept. 1 of Studies on Separation
and Determination Methods for Cyanamide Derivatives
and rept. 1 of Studies on Condensates of Cyanamide
Derivatives with Formaldehyde. [1960] 12p. 7 refs.
Order from SLA mi\$2. 40, ph\$3. 30 60-18881

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 5, p. 797-799.

Color reactions are given for cyanimide, cyanourea,
nitroguanidine, dicyandiamide, thiourea, biuret, urea,
guanidine, biguanide, aminoguanidine, formamidine,
and dicyanoguanidine developed with the solvents
n-butanol: ethanol: water (4:1:2), and butanol: acetic
acid: pyridine: water (4:1:1:2) and reacted with sodium
nitroprusside-potassium ferricyanide, p-dimethyl
aminobenzaldehyde, and Tollens' reagent. The con-
densates of the reactions of cyanamide derivatives
(Chemistry--Analytical, TT, v. 5, no. 6) (over)

1. Paper chromatography
2. Guanidines--Chroma-
tographic analysis
3. Urea derivatives--
Chromatographic analysis
1. Takimoto, M.
- II. Koeda, K.
- III. Title: Studies on
separation...
- IV. Title: Studies on
condensates...

Office of Technical Services

60-18882

Takimoto, Masayoshi and Sawada, Masaru.
COLORIMETRIC DETERMINATION OF GUANIDINE,
DICYANDIAMIDE, AND BIGUANIDE. Rept. 2 of Stud-
ies on Separation and Determination Methods for
Cyanamide Derivatives. [1960] 14p. 7 refs.
Order from SLA ml\$2.40, ph\$3.30 60-18882

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 5, p. 799-803.

Absorption spectra, effects of changes in reagent
composition, and the effect of pH of the sample solu-
tion were determined for the color reactions of di-
cyandiamide, guanidine, and biguanide with the re-
agent sodium nitroprusside-potassium ferricyanide-
sodium hydroxide. Guanidine and biguanide were de-
termined within 1 to 10 µg/ml and dicyandiamide
within 5 to 50 µg/ml with a relative error of 1 to 2%.
(See also 60-18881)

(Chemistry--Analytical, TT, v. 5, no. 6)

1. Colorimetry--Applications
 2. Guanidines--Colorimetric
analysis
 3. Biguanide--Colorimetric
analysis
 4. Cyanoguanidine--
Colorimetric analysis
- I. Takimoto, M.
 - II. Sawada, M.
 - III. Title: Studies...

Office of Technical Services

61-10829

Takimoto, Masayoshi and Hirano, Hiroko.
A NEW COLORIMETRIC DETERMINATION METHOD
FOR THIOUREA AND AMMONIUM THIOCYANATE.
Rept. 4 of Studies on Separation and Determination
Methods for Cyanamide Derivatives. [1961] 12p. 8 refs.
Order from SLA \$1.60 61-10829

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 9, p. 1414-1418.

DESCRIPTORS: *Thiourea, *Thiocyanates, Ammonium
radicals, *Cyanamides, Separation, Determination,
*Colorimetric analysis.

I. Takimoto, M.
II. Hirano, H.
III. Title: Studies...

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(Chemistry--Analytical, TT, v. 6, no. 1)

Takimoto, Masayoshi.
DETERMINATION OF MELAMINE, AMMELINE,
AMMELIDE, AND CYANURIC ACID BY ION-EX-
CHANGE SEPARATION AND ULTRAVIOLET AB-
SORPTIOMETRY. Rept. 8 of Studies on Separation-
Determination Methods for Cyanamide Derivatives.
[1961] 17p.

Order from SLA \$1.60

62-10223

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64,
no. 7, p. 1234-1238.

DESCRIPTORS: *Cyanamides, Amides, Cyanuric acid,
Acids, Melamine, Determination, Separation, Ion
exchange, Chromatographic analysis, Ultraviolet
spectroscopy.

Separations and determination of ammeline, ammeline,
and cyanuric acid, which are formed by the hydrolysis
(Chemistry--Analytical, TT, v. 7, no. 9) (over)

62-10223

I. Takimoto, M.
II. Title: Studies ...

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[Takimoto, Masayoshi and Hirano, Hiroko].
A NEW COLORIMETRIC DETERMINATION METHOD
FOR UREA. Rept. 5 of Studies on Separation and
Determination Methods for Cyanamide Derivatives.
[1961] 12p. 6 refs.

Order from SLA \$1.60

61-10828

Trans. of Nihon Kagaku Zasshi (Japan) 1960, v. 81,
no. 9, p. 1418-1421.

DESCRIPTORS: *Colorimetric analysis, *Urea,
Determination, Cyanamide, Separation.

(Chemistry--Analytical, TT, v. 6, no. 1)

61-10828

I. Takimoto, M.
II. Hirano, H.
III. Title: Studies...

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Takimoto, Masayoshi and Sawada, Masaru.
INVESTIGATION OF THE DETERMINATION OF
SEVERAL TYPES OF CYANAMIDE DERIVATIVES
OTHER THAN GUANIDINE, DICYANDIAMIDE, AND
BIGUANIDE. Rept. no. 3 of Studies on Separation and
Determination Methods for Cyanamide Derivatives;
[Paper] read in part at the Annual Conference of the
Chemical Society of Japan (no. 11) Apr 58. [1961] 10p.
10 refs.

Order from SLA \$1.10

61-10601

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,
no. 6, p. 967-970.

DESCRIPTORS: *Colorimetric analysis, *Cyanamide,
*Thiourea, *Urea, *Urea derivatives, Cyano radicals,
*Guanidines, Separation, Determination.

(Chemistry--Analytical, TT, v. 6, no. 1)

61-10601

- I. Takimoto, M.
- II. Sawada, M.
- III. Title: Annual...
- IV. Title: Studies...

Office of Technical Services

Takizawa, Akira.

DIFFUSION PHENOMENA IN WET-SPINNING OF VIS-
COSE FIBER. DIFFUSION-CONTROLLED REACTION.
Rept. 4 of Studies in the Wet-Spinning of Artificial
Fibers. [1962] [20]p. 12 refs.

Order from SLA \$1.60

62-14267

Trans. of Sen-i Gakkaishi (Japan), v. 16, no. 11,
p. 955-961.

DESCRIPTORS: Fibers, *Cellulose, *Viscose, Process-
ing, Diffusion, Theory, Sulfuric acid, Sodium com-
pounds, Hydroxides, Sulfates, Reaction kinetics.

Regenerating reaction of cellulose xanthate in wet spin-
ning of viscose fiber is an example of "diffusion-con-
trolled reaction" in high polymeric substances. In this
report, theoretical considerations for the reaction con-
trolled by mutual diffusion is undertaken, and resulting
(Materials--Textiles, TT, v. 9, no. 4) (over)

62-14267

I. Takizawa, A.
II. Title: Studies ...

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Studies on the Friction Mechanism of
Fibre Systems, by S. Kinoshita, T. Takizawa.

JAPANESE, per, Journal of the Society of
Textile and Cellulose Industries, Vol XV,
No 6, 1959, pp 455-460.

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Sci - Engg
Jul 62

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Interaction of Steroidal Hormone With Serum
Protein. VII. Infrared Spectra of Protein-
Bound Steroids, by Hiroo Takikawa, 8 pp.

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Aug 60

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Takimoto, Masayoshi.

INVESTIGATION OF THE SEPARATION AND DETERMINATION OF COMPOUNDS WHICH FORM BY MELAMINE-FORMING REACTION AND BY HYDROLYSIS OF THEIR HEAT-CONDENSATES (CYANOMELAMINE, GUANYLMELAMINE, CYAMELURIC ACID, ETC.). Rept. no. 10 of Studies on Separation [and] Determination Methods for Cyanamide Derivatives. [1962] 15p. 13 refs.
Order from SLA \$1.60

62-10685

Trans. of Kogyo Kagaku Zasshi (Japan) 1961, v. 64, no. 8, p. 1456-1460.

DESCRIPTORS: *Cyanamides, *Melamine, Separation, Determination, Hydrolysis, Ion exchange resins, Ultraviolet spectroscopy, Absorption spectra, Chromatographic analysis.

(Chemistry--Analytical, TT, v. 8, no. 9)

62-10685

I. Takimoto, M.
II. Title: Studies ...

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Total Analysis of Metallic Ions by
Thin-Layer Chromatography, by Shoji
Takitani, and Michiko Fukazawa, et al,
6 p. FOR OFFICIAL USE ONLY
JAPANESE, per, Japan Analyst, Vol XII,
1963, pp 1156-1161. 9099182
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Shoji Takitani

Sci-Phys
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Preparation Method for Acidic Ammonium Fluoride,
by Takizaki, Kiyoo, Matsujima, 6 pp.
JAPANESE Patent 26-5979
SEA TT 64-18490

Takizaki

Jul 66

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Removal of ^{137}Cs on a Milgata Montmorillonite
Clay by Column Technique, by Masao TAKIZAWA,
Kugao KODA, et al.
JAPANESE, per, Radioisotopes (Tokyo), Vol 13,
No 6, Nov 1964, pp 455-461. 9233260
AEC NSJ-tr-58

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Masao Takizawa

Sci/B&M
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Removal of ^{137}Cs on a Hiigata Montmorillonite
Clay by Column Technique, by Masao TAKIZAWA,
Kiyao KODA, Shigetane UEMURA, Akio NISHIMURA,
11 pp.
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1964, pp 445-461.
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Masao TAKIZAWA

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Sci - Nuclear Science
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Experimental Studies on the Mechanism of Quinone Carcinogenesis, (Report No 1); Changes in Tissue Respiration Due to the Influence of Quinone, by Yoshinori Hirai, Nobujiro Takizawa, 9 pp.

Full translation.

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Scientific - Medicine

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ITO, Hiromitsu
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The influence of Shwartzman's Coli-filtrates on the
Growth of Transplanted Fructose Sarcoma in mice.

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X-546

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A-4412

TAKIZAWA, Nobujiro
SUGISHITA, Masataka

The Cancerogenic Action of Quinone on Skin and Lung
Tissue of Mice. (4-Pages)

Japanese, Gann, XXXIX, Nos. 2,3,4.

X-552

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National Institutes of Health
Bethesda, Md.

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Fibre Systems, by S. Kinoshita, T. Takizawa.

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Textile and Cellulose Industries, Vol XV,
No 6, 1959, pp 455-460.

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Sci - Engr
Jul 62

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Effects of Reaction Conditions Upon the Diphenyl
Synthesis from Benzene Under Added Pressure, by
Yoshinobu Hosaka, Masaki Takahisa, 10 pp.

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No 12, 1955, pp 1001-1004.

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Sci - Chem

Aug 60

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NO 14, 10 APR 1963, PP 1, 2.

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